

**Agency: Commerce, Community and Economic Development****Grants to Municipalities (AS 37.05.315)****Grant Recipient: Sitka****Project Title:****Sitka - Moller Park Synthetic Infield****State Funding Requested: \$ 300,000****House District: 2 - A**

One-Time Need

**Brief Project Description:**

Professional turf installation for community Ball Park; including pad setting and underground drainage.

**Funding Plan:****Total Cost of Project: \$300,000**Funding SecuredOther Pending RequestsAnticipated Future Need*Amount FY**Amount FY**Amount FY*

There is no other funding needed

**Detailed Project Description and Justification:**

Item is \$300,000 to install synthetic turf at Moller Park Baseball Field in Sitka. Funding will match other local and state funds to implement extensive upgrades at the park. The project makes several improvements to the field used extensively by school and community groups. In addition to synthetic surfacing, a pad will be installed beneath the turf making the field safer for student athletes. Water drainage for run-off at the field will make the facility more stable during rainy weather, and will require the field to have less maintenance in the future. Turf installation is increasingly standard amongst comparable fields; and will allow the community to attract regional tournaments. This project is strongly supported by the community and the City of Sitka has received substantial donations from local businesses. Contractors have donated and installed a new water and sewer line materials and 200 cubic yards of fill valued at nearly \$40,000.

**Project Timeline:**

FY09

**Entity Responsible for the Ongoing Operation and Maintenance of this Project:**

City of Sitka or Designee

**Grant Recipient Contact Information:**

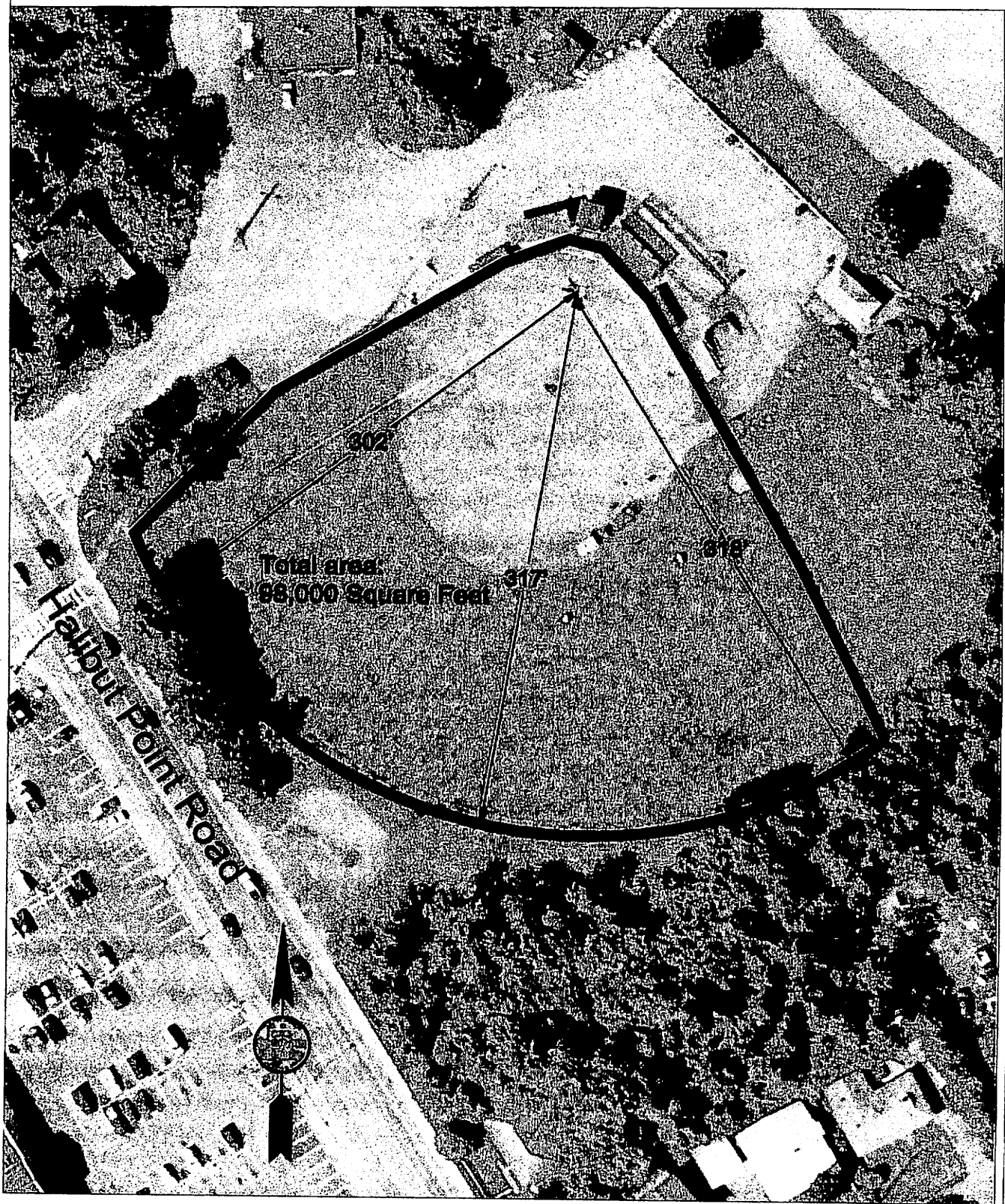
Contact Name: Jim Dinley

Phone Number: (907) 747-1808

Address: 100 Lincoln Street Sitka, AK 99835

Email: jimdinley@cityofsitka.com

Has this project been through a public review process at the local level and is it a community priority? ☒ Yes ☐ No



**City and Borough of Sitka**  
**DEPARTMENT OF PUBLIC WORKS**  
 100 LINCOLN STREET • SITKA, ALASKA 99835  
 TEL (907) 747-1304 FAX (907) 747-3150

**Diagram Showing  
 Area of Baseball  
 Field at Moller Park**

DRAWN:	TAD	SCALE:	1" = 80'
CHECKED:	N/A	DATE:	15Feb2007
DRAWING NAME	MollerParkArea		
SHEET NO.	1 / 1		

**Musco's Green friendly system will reduce by half or more, the cost of operating and maintaining your ballfield lighting system.**

## For Your Budget

Innovative photometric improvements of the luminaire result in substantially more efficient light control.

Musco's evolution of fundamental lamp principles creates a new operating system — Smart Lamp™.

## Savings

### 25 Year Life Cycle Cost Savings

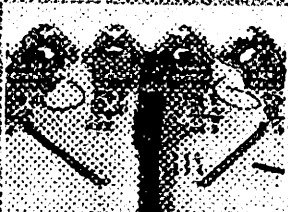
Prior Technology Fixture Quantity	52
Light-Structure Green™ Fixture Quantity	32
1. Energy — photometric improvement	\$23,080
2. Group Relamp	\$16,250
3. Lamp Maintenance	\$3,750
4. Energy — controls	\$5,770
5. Labor — controls	\$10,000

**Total Projected Savings \$58,850**

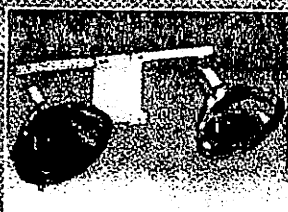
1. 300 hours per year, 9¢ per kilowatt hour
2. \$125 per luminaire for relamp labor and materials.
3. Average of 7.5 repairs at \$500 each.
4. 25% savings by switching on and off 20 minutes closer to actual usage time.
5. 15 minutes labor for turning on and for off at \$8 labor rate — 2,500 operations.

**Musco's journey to the Green Generation — 30 years of "good old fashioned" new technology**

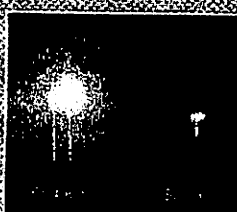
**1970**  
Group Relamp



**1977**  
First Light-Structure Green™ luminaire  
introduced for ballfield lighting.



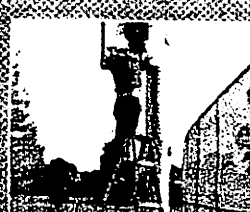
**1981**  
Ballfield lighting



**1988**  
First Light-Structure Green™ luminaire  
introduced for ballfield lighting.



**1997**  
First Light-Structure Green™ luminaire  
introduced for ballfield lighting.



# Amazing new technology . . . big cost benefits.

And best of all, it does wonderful things for the adjoining environment. It puts much less light on nearby properties. It protects the beauty of the dark night skies.

## For The Environment

Spill and glare control features are now a standard part of every luminaire at no extra cost.

This green generation luminaire system cuts spill by half or more, even when compared to Musco's prior industry-leading technology.

Less Spill		
360' x 225' Soccer Field		
30fc Average Maintained	30fc Constant Illumination	
Light-Structure with Total Light Control™ photometric option	Fixture Type	Light-Structure Green™
1500W MZ	Lamp Type	1500W MZ
Vertical Illumination		
0.50 fc	Average	0.15 fc
0.74 fc	Maximum	0.26 fc
52	# of Luminaires	32

## Now 25 years of unprecedented, trouble-free operation

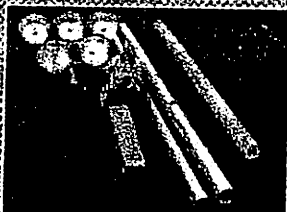
Musco's *Constant 25™* warranty and maintenance program guarantees:

- Constant light levels and group lamp replacements at the end of rated lamp life
- Reduced energy consumption
- Monitoring, maintenance and remote on/off control services
- System structural integrity

1966  
Constant 25™  
luminaire



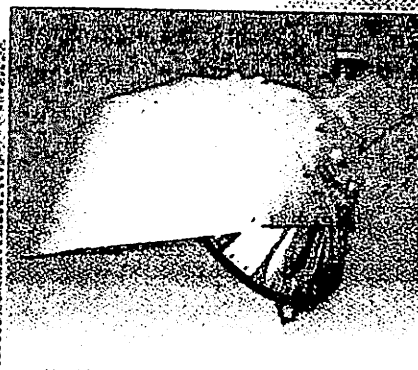
1987  
Constant 25™  
luminaire

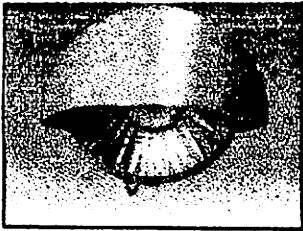


1997  
Constant 25™  
luminaire



2002  
Constant 25™  
luminaire





- 1. Reflector system:** More than 2000 photometric patterns provide optimal energy efficiency and minimal spill light for each project.
- 2. Visor System:** Several visor choices provide energy efficient light on the field and minimal spill light. The aerodynamics reduce wind load on the poles.
- 3. Side Shift Beam Control:** Beams can be adjusted within the luminaire horizontally as well as vertically. We can now custom fit the light to the corners.

### Smart Lamp™ Operating System

- 1. Lamp:** 30 years of lamp experience has taught Musco how to operate the lamp with less energy and extend its life with a system of timed power adjustments.
- 2. Geared tilt adjustment:** With a geared leveling mechanism, the lamp arc tube operates in the energy advantageous horizontal position.

### Increased Durability, Assured Results

- 1. Die-Cast aluminum reflector housing:** Provides a rugged foundation for building and maintaining a sophisticated photometric unit.
- 2. Gasketing:** Improved material and gasket system design virtually eliminate "outgassing" and other contamination of the reflectors and lens.
- 3. Factory Assembled Luminaires:** The luminaire ships totally assembled; avoids contaminants, saves time, improves aiming accuracy.
- 4. Attaching Mechanism:** The factory assembled luminaire connects electrically and structurally to the crossarm with one simple attachment.
- 5. Factory Aiming:** Musco's well established service of factory aiming is even better with Light-Structure Green™... field changes can still be done.

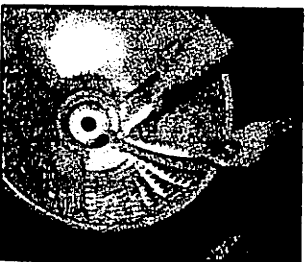
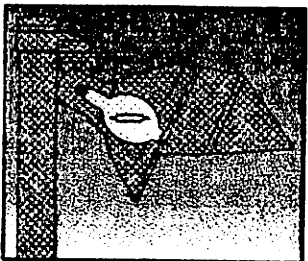
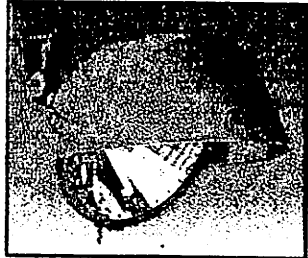
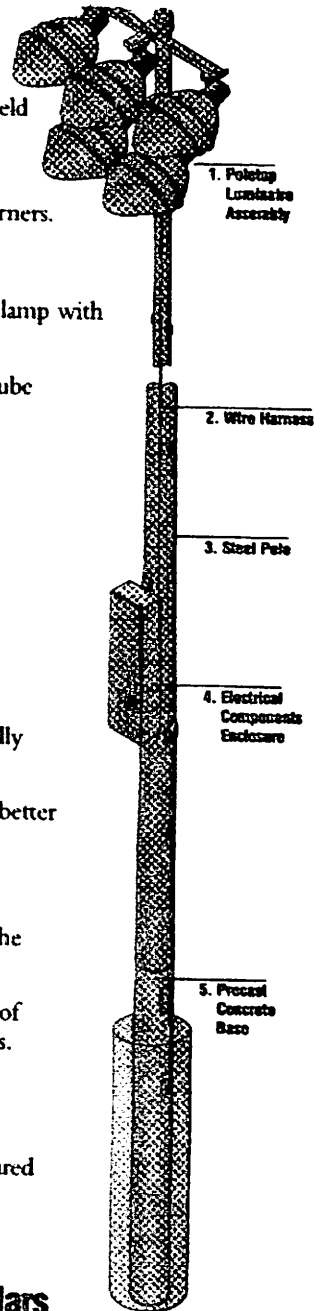
### Solid control and flexible management

- 1. Controls and monitoring:** This system, in one simple cabinet, included in the base price, saves energy and gives you a solid, flexible management tool.
- 2. Control Link Central™:** Real people at Musco, 24/7, support the operation of your lights ... from office, field or home ... benefits field users and neighbors.

### Ultimate guarantee

With **Green Generation Lighting**, Musco's Constant 25" guarantees it all for 25 years, plus free relamping at the end of the lamps' rated life. All of this is assured by Musco's field service department and their technicians.

**Light-Structure Green™ is the result of more than a dozen inventions and innovations from more than 10 million dollars of research and capital investment by Musco.**



**We Make It Happen.**

**800/825-6030**

**www.musco.com**

e-mail: [lighting@musco.com](mailto:lighting@musco.com)

Musco products referenced or shown are protected by one or more of the following U.S. Patents: 4456907; 4725034; 4725077; 4810874; 4947303; 4994710; 5075028; 5136557; 5161682; 5211472; 5229081; 5379811; 5384478; 5423281; 5483577; 5600537; 5707142; 5800548; 5816091; 5856721; 0036332; 0253176; 0255946; 0340790; 0386052; 0570277; 6081110; 0337168; 0753797; 0553911; 0411098. Canada Patents: 20479; 23750; 76829; 88298; 2009749; 2020830; 2027003; 2036214; 2054261; 2110014; 2200611; 2200515; 2378279; 2378283. EPC Patents: 440531. Mexico Patents: 170603; 183225. Other patents pending.

**Light-Structure Green™ Saves \$15,000**

*"I feel the field is lit up much better than it had been. Now there are no shadows for the fielders to worry about with pop-ups or grounders."*

*- Mike DeHartog, president Oskaloosa Little League*

## Project Facts

200' field, home to Little League® players and high school tournaments

### Performance

- Reduced energy consumption:  
Prior technology 42 kW  
Light-Structure Green 25 kW
- 50 constant footcandles, horizontal, infield
- 30 constant footcandles, horizontal, outfield

### Lighting System

- Light-Structure Green™  
4 poles - 16 luminaires
- Control-Link® Control System

Light-Structure Green™ technology replaced 25-year old Musco fixtures on wooden poles at one of Oskaloosa's Little League® fields. Energy consumption was reduced significantly and light levels were raised to a constant 50 footcandles in the infield and a constant 30 footcandles in the outfield.

## Key Issues

### Quality of Light

- Achieves light level requirements to meet Little League® Standards for all divisions of play
- Provides uniformity of light necessary to track the movement of the ball for superior playability and enhanced spectator enjoyment

### Operating Cost Savings

- Over 25 years, projected energy savings is over \$15,000
- Additional savings are provided through Musco's warranty and maintenance program, which includes group lamp replacements, controls and routine maintenance

### Automated Control System

- Allows on/off schedules to be entered via an easy-to-use, web-based program
- Reduces energy usage, labor costs and hassle



**We Make It Happen.**

*Official Sports-Lighting System of  
Little League Baseball® and Little League Softball®*

Inside United States

**1 800 825 6030**

Outside United States

**1 641 673 0411**

**www.musco.com**

e-mail: [lighting@musco.com](mailto:lighting@musco.com)

**Fredrick Fisher**

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**From:** Miles Baker  
**Sent:** Monday, April 09, 2007 5:15 PM  
**To:** Keith Perkins  
**Cc:** Fredrick Fisher  
**Subject:** RE: Mollar Park Baseball field

Keith –

I haven't followed all the iterations of the Mollar Park project, but I do know that Bert is interested in helping secure some funds and that Bryn Calhoun has provided us with some information. I'm not sure what he was thinking, but I expect that he may have a bit of sticker shock on the \$1 mill estimate. This project falls into the "discretionary" category and even the capital budget co-chair doesn't have unchecked ability to fund these things. But, I will copy Fred Fisher on this response –as he is the keeper of the Capital Budget flame in the office. He can discuss the details with the Senator and make sure they have these updated cost estimates. We are beginning to put the Capital Budget together, so this information is timely. I do know that Senator Stedman is interested in doing everything he can to get Sitka a ball field worthy of the team and one that will allow the community to host the state championship some day.

Thanks for the detailed response and for staying on top of this.

Miles

Miles Baker  
 Finance Aide  
 Office of Senator Bert Stedman  
 District A  
 (907) 465-6581  
 (907) 465-3922

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**From:** Keith Perkins [mailto:perky\_keith@yahoo.com]  
**Sent:** Sunday, April 08, 2007 7:06 PM  
**To:** Miles Baker  
**Subject:** Mollar Park Baseball field

Miles,

I know we didn't get a chance to visit on this one while I was in Juneau last week and I am waiting for final draft figures from the baseball folks.

Bert had made the verbal interest known to the local high school baseball coach that he wanted to help secure funding for lights in this upcoming capital budget.

He and I further discussed the desire to have Bryn Calhoun, Sitka High School Senior, present to Bert, as a part of his senior project - what it would cost to completely refurbish Mollar Park baseball field.

While Bryn Calhoun's Senior Project was primarily focused on what it would take to get lights put up at Mollar Park, he agreed with my input to him to get the research done to see what it would take to completely upgrade Mollar Park.

That's what he, Ed Conway, Sitka High School baseball coach, and others have been doing the past month or so - the research.

4/10/2007



Bert had already secured around \$110,000 or so to do some general upgrades in the current budget year. Work has begun on the demolition of the concession/scorekeepers building to set the table for replacing that. As always, to stretch the dollars, the city is the benefactor of volunteer labor from the little league/SHS baseball community to do the demolition work.

I believe, in listening to Bert two months ago or so, he wanted to understand what it would take to do the whole thing - in components - knowing that his primary focus is on the lights and if there is a chance to secure additional funding to do more work.....yahoo!

I'm nervous because it is taking so long for the folks to finish their research, so I wanted to give you what I know from them, to this point, and ask you if there is anything I need to do beyond sharing these conceptual figures.

The numbers assume that there will be contracted labor to do the work professionally on each component.

1. Lights                                 \$350,000

This is a conservative figure as I understand the quote to deliver the lighting system from Musco Lights is just under three hundred thousand.

2. Turf the field                         \$650,000

This is based on the early quote of doing the infield to be approximately two hundred seventy five thousand. Bert has been to the batting cage. This would be that sort of turf for the infield and outfield. This would definitely have to be professionally done as it also includes the underground drainage and pad setting. The early quote, for the infield, did include the contractor costs so I am estimating that to include the outfield would put the financial mark at the figure above.

3. Complete grandstands             \$100,000

The moneys already received through Bert's efforts will get the main scorekeeper's/concession stand replaced and a little extra work - which I believe will go toward fence replacement around the field - the primary request of that funding.

The additional funds would go toward increasing grandstand capacity and replacing/increasing the size of the dugouts.

It's a chunk of change to do the overall improvements but that would make the field absolutely ready to be used from early spring to late fall for community activities. And with the new set up, it will be easily used by/for all the baseball/softball team sports for both boys and girls as well as the adult league play and tourneys. Lights means longer seasons and turf means playable surface through any sort of weather.

I hope the information in this informal shape is good for you and I also hope it is not too late for Bert's interest in the Capital Budget.

I am going to be approaching Diane Kaplan at the Rasmuson Foundation. She had walked through the cage and had discussions with Brian Hanson this last summer about interest. She suggested that we find some other interest, such as state funding, that would help her be interested - knowing it would be a big project. I am going to be working to reel her back into the picture to see if they would be a player in the



overall, knowing that Bert has some interest to help out. The applicant that way would be Sitka Little League as the City has received a substantial amount of funds for a different project and has not moved on that project. The Sitka Little League is a non-profit in good standing and can received funds. So, I will be making that play and initial "re"contact with her this week.

I hope all is well. Thanks for the fun the other week. Always good to be around energy.

For now,

/s/

Keith Perkins

---

TV dinner still cooling?

Check out "Tonight's Picks" on Yahoo! TV.

RECEIVED

MAR 16 2007

2909 Halibut Point Road  
Sitka, AK 99835  
March 9, 2007

COPY

Senator Bert Stedman  
201 Katlian Street, Suite 200-A  
Sitka, AK 99835

Re: Improvements to Moller Field in Sitka

Dear Senator Stedman,

I am sending you this letter as we have been unable to meet in person due to my high school basketball schedule, your legislative travel schedule and our winter weather.

I am a senior at the Sitka High School and have chosen to help with improvements to Moller Field as my senior project. I have played baseball in Sitka for my entire life and am a member of the two-time State Champions Sitka Wolves baseball team. I plan to attend college next fall and continue my baseball career. Baseball is an increasingly popular sport in Sitka and Moller is a great location for a field. Hundreds of people come out to watch our high school games, well over 300 young people participate in Little League and over 300 adults play in community softball leagues. With this upgrade, we would be able to host the State High School Championship tournament in Sitka!

I have been working with suppliers and folks from the City to obtain lighting and infield turf for Moller Field. We are fortunate to have a very active group of local volunteer supporters who will donate time, materials and equipment to leverage funding for this project. The "Cage" is a great example of this.

The overall remodel for the field includes new bleachers, a new concession stand and scorer's booth, pushing the fences back, lights and infield (and outfield?) turf. You graciously allocated \$110,000 toward this remodel and the City has funds set aside for the concession stand/score booth upgrade. Your generosity prompted the City's Building Maintenance Department to include another \$50,000 in their FY08 draft budget for new restrooms at the field. Our volunteer group expects to build the restrooms similar to the ones the City had built at the Lake and Lincoln St. intersection. That building cost \$140,000.

I am very interested in the lighting and turf aspects of the project. I have contacted the barge companies in Sitka and have received confirmation of shipping assistance of the turf materials from Arrowhead Transfer. The City of Sitka identified Moller Field improvements as one of the top priorities on their small capital projects in November 2006, estimating \$300,000 for lighting and \$300,000 for a synthetic infield. The volunteer group is discussing cost per square foot reductions with the Artificial Turf Direct company for completing the entire field. I have included a pfd of the whole field. With the fences moved back, the entire area will be slightly more than 4 times the infield area.

I am sorry we have been unable to meet in person, but would appreciate an opportunity to speak with you over the phone about this exciting project for Sitka. I will call your office to set up a telephonic conference. Thank you for your consideration and assistance.

Respectfully yours,



Bryn Calhoun  
Senior, Sitka High School  
2909 Halibut Point Road  
Sitka, AK 99835

enclosures

cc: Mark Buggins, SHS Baseball/City of Sitka  
Marlene Campbell, City of Sitka  
Ed Conway, SHS Baseball Head Coach  
Lynne McGowan, City of Sitka